

**5.3.13 Main Commercial Primary Energy Use of Heating and Cooling Equipment as of 1995**

Heating Equipment			Cooling Equipment	
Packaged Heating Units	25%		Packaged Air Conditioning Units	54%
Boilers	21%		Room Air Conditioning	5%
Individual Space Heaters	2%		PTAC (2)	3%
Furnaces	20%		Centrifugal Chillers	14%
Heat Pumps	5%		Reciprocating Chillers	12%
District Heat	7%		Rotary Screw Chillers	3%
Unit Heater	18%		Absorption Chillers	2%
PTHP & WLHP (1)	2%		Heat Pumps	7%
	<u>100%</u>			<u>100%</u>

Note(s): 1) PTHP = Packaged Terminal Heat Pump, WLHP = Water Loop Heat Pump. 2) PTAC = Packaged Terminal Air Conditioner

Source(s): BTS/A.D. Little, Energy Consumption Characteristics of Commercial Building HVAC Systems, Volume 1: Chillers, Refrigerant Compressors, and Heating Systems, Apr. 2001, Figure 5-5, p. 5-14 for cooling and Figure 5-10, p. 5-18 for heating.